

## FRANKINCENSE & MYRRH

Version 4

Revision Date 31.10.2011

Print Date 28.02.2013

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Commercial Product Name : FRANKINCENSE & MYRRH

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Fragrance

no data available

#### 1.3 Details of the supplier of the safety data sheet

Candle Supply Pty Ltd  
Unit 3 8-9 Lagana Place  
Wetherill Park, NSW 2164  
ABN: 70612899626

Phone Number: 02 8741 4000  
e-mail: [customerservice@candlesupply.com.au](mailto:customerservice@candlesupply.com.au)

#### 1.4 Emergency telephone number

13 11 26

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315
Skin sensitization, Category 1	H317
Chronic aquatic toxicity, Category 2	H411

##### Classification (67/548/EEC, 1999/45/EC)

Xn; R22  
Xi; R43  
N; R51/53

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

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Hazard statements : H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/  
vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and  
water.  
P333 + P313 If skin irritation or rash occurs: Get medical  
advice/ attention.

### Labelling (67/548/EEC, 1999/45/EC)

Symbol(s) : Xn Harmful  
N Dangerous for the environment

R-phrase(s) : R22 Harmful if swallowed.  
R43 May cause sensitization by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term  
adverse effects in the aquatic environment.

S-phrase(s) : S24 Avoid contact with skin.  
S37 Wear suitable gloves.  
S57 Use appropriate container to avoid environmental  
contamination.  
S60 This material and its container must be disposed of  
as hazardous waste.

### 2.3 Other hazards

no data available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

no data available

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Benzyl benzoate	120-51-4 204-402-9	Xn; N R22 R51/53	Acute Tox.: 4 (Oral); H302 Aquatic Chronic: 2; H411	>= 50 - <= 100
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran <sup>1)</sup>	1222-05-5 214-946-9	N R50/53	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410	>= 1 - < 5

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(R)-p-Mentha-1,8-diene	5989-27-5 227-813-5	Xi; N R10 R38 R43 R50/53	Asp. Tox.: 1; H304 Aquatic Chronic: 1; H410 Aquatic Acute: 1; H400 Flam. Liq.: 3; H226 Skin Irrit.: 2; H315 Skin Sens.: 1; H317	>= 1 - < 5
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2 915-730-3 01-2119489989-04	N; Xi R38 R43 R51/53	Skin Irrit.: 2; H315 Aquatic Chronic: 2; H411 Skin Sens.: 1; H317	>= 1 - < 5
Citronellol	106-22-9 203-375-0	Xi; N R38 R43 R51/53	Skin Sens.: 1; H317 Skin Irrit.: 2; H315	>= 1 - < 5
.alpha.,.beta.,2,2,3-Pentamethylcyclopent-3-ene-1-butanol	65113-99-7 265-453-0	N R50/53	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410	>= 1 - < 5
Eugenol	97-53-0 202-589-1	Xi R36 R43	Skin Sens.: 1; H317 Eye Irrit.: 2; H319	>= 1 - < 5
[3R-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]-1-(2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-5-yl)ethan-1-one <sup>1)</sup>	32388-55-9 251-020-3	Xi; N R43 R50/53	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 Skin Sens.: 1; H317 M-Factor: 1	>= 1 - < 5
Coumarin	91-64-5 202-086-7	Xn R22 R43	STOT RE: 2; H373 Skin Sens.: 1; H317 Acute Tox.: 4 (Oral); H302	>= 1 - < 5
2,6-Dimethyloct-7-en-2-ol	18479-58-8 242-362-4 01-2119457274-37	Xi R38	Eye Irrit.: 2; H319 Skin Irrit.: 2; H315	>= 1 - < 5
Linalyl acetate	115-95-7 204-116-4	N R51/53	not hazardous	>= 1 - < 5
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol <sup>1)</sup>	28219-61-6 248-908-8	Xi; N R38 R50/53	Skin Irrit.: 2; H315 Eye Irrit.: 2; H319 Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 M-Factor: 1	>= 1 - < 5
Linalool	78-70-6 201-134-4	Xi R38	Skin Irrit.: 2; H315	>= 1 - < 5
1-(5,6,7,8-Tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one <sup>1)</sup>	1506-02-1 21145-77-7 216-133-4 244-240-6	Xn; N R22 R50/53	Acute Tox.: 4 (Oral); H302 Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 M-Factor: 1	>= 1 - < 5
[3R-(3.alpha.,3a.beta.,7.beta.,8a.alpha.)]-2,3,4,7,8,8a-Hexahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulene <sup>2)</sup>	469-61-4 207-418-4	Xn; N R50/53 R65	Asp. Tox.: 1; H304 Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 M-Factor: 10	>= 0,1 - < 1
[3R-(3.alpha.,3a.beta.,6.alpha.,7.beta.,8a.alpha.)]-Octahydro-3,6,8,8-tetramethyl-1H-3a,7-methanoazulen-6-ol	77-53-2 201-035-6	N R51/53	Aquatic Chronic: 2; H411	>= 0,1 - < 1

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Cinnamaldehyde	104-55-2 203-213-9	Xn R21 R38 R43	Skin Sens.: 1; H317 Eye Irrit.: 2; H319 Skin Irrit.: 2; H315 Acute Tox.: 4 (Dermal); H312	>= 0,1 - < 1
4-(4-Hydroxy-4-methylpentyl)cyclohex-3-enecarbaldehyde	31906-04-4 250-863-4	Xi R43 R52/53	Skin Sens.: 1; H317 Aquatic Chronic: 3; H412	>= 0,1 - < 1
Vanillin	121-33-5 204-465-2	Xi R43	Skin Sens.: 1; H317	>= 0,1 - < 1
(E)-Anethole	4180-23-8 224-052-0	Xi; N R43 R51/53	Skin Sens.: 1; H317	>= 0,1 - < 1
[3R-(3.alpha.,3a.beta.a.,7.beta.,8a.alpha.)]-Octahydro-3,8,8-trimethyl-6-methylene-1H-3a,7-methanoazulene <sup>3)</sup>	546-28-1 208-898-8	N; Xn R50/53 R65	Aquatic Acute: 1; H400 Aquatic Chronic: 1; H410 Asp. Tox.: 1; H304 M-Factor: 10	>= 0,1 - < 1
1,4-Dioxacycloheptadecane-5,17-dione	105-95-3 203-347-8	N R51/53	Aquatic Chronic: 2; H411	>= 0,1 - < 1
Benzophenone <sup>1)</sup>	119-61-9 204-337-6	N R50/53	Aquatic Acute: 1; H400	>= 0,1 - < 1
Thymol	89-83-8 201-944-8	C; N R22 R34 R51/53	Acute Tox.: 4 (Oral); H302 Skin Corr.: 1B; H314 Aquatic Chronic: 2; H411	>= 0,1 - < 1
Geraniol	106-24-1 203-377-1	Xi R38 R41 R43	Skin Sens.: 1; H317 Eye Dam.: 1; H318 Skin Irrit.: 2; H315	>= 0,1 - < 1
7-Hydroxycitronellal	107-75-5 203-518-7	Xi R36 R43	Eye Irrit.: 2; H319 Skin Sens.: 1; H317	>= 0,1 - < 1

For the full text of the H-Statements mentioned in this Section, see Section 16.  
For the full text of the R-phrases mentioned in this Section, see Section 16.

Acute aquatic toxicity: <sup>1)</sup> 0,1 < L(E)C50 <= 1 mg/l  
<sup>2)</sup> 0,01 < L(E)C50 <= 0,1 mg/l  
<sup>3)</sup> 0,001 < L(E)C50 <= 0,01 mg/l

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air.
- Skin contact : Take off all contaminated clothing immediately.  
If symptoms persist, call a physician.
- Eye contact : Immediately flush eye(s) with plenty of water.

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Ingestion : Clean mouth with water and drink afterwards plenty of water.  
Prevent vomiting if possible.  
If a person vomits when lying on his back, place him in the recovery position.  
Never give anything by mouth to an unconscious person.  
If accidentally swallowed obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

no data available

### 4.3 Indication of any immediate medical attention and special treatment needed

no data available

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media which shall not be used for safety reasons : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.  
Do not allow run-off from fire fighting to enter drains or water courses.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Further information : In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.  
Use personal protective equipment.

### 6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.  
Avoid subsoil penetration.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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### **6.3 Methods and materials for containment and cleaning up**

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Wipe up with absorbent material (e.g. cloth, fleece).
- Additional advice : Local authorities should be advised if significant spillages cannot be contained.  
Suppress (knock down) gases/vapours/mists with a water spray jet.

### **6.4 Reference to other sections**

For personal protection see section 8.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

- Advice on safe handling : Dispose of rinse water in accordance with local and national regulations.  
For personal protection see section 8.
- Advice on protection against fire and explosion : When using do not smoke.

### **7.2 Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Store in original container.  
Keep container tightly closed in a dry and well-ventilated place.  
To maintain product quality, do not store in heat or direct sunlight.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

### **7.3 Specific end uses**

Fragrance

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control parameters**

#### **Components with workplace control parameters, Germany:**

Components	CAS-No.	Control parameters	Update	Basis
(R)-p-Mentha-1,8-diene	5989-27-5	AGW 20 ppm	07 2009	TRGS 900

### **8.2 Exposure controls**

#### **Engineering measures**

none

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### **Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
- Eye protection : Safety glasses
- Skin and body protection : Lightweight protective clothing
- Hygiene measures : Wash hands before breaks and immediately after handling the product.
- Protective measures : When using, do not eat, drink or smoke.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

#### **Appearance**

- Form : liquid
- Colour : pale yellow to orange-brown
- Odour : characteristic

#### **Safety data**

- Flash point : 98 °C
- Water solubility : no data available
- Relative density : 1,0488 - 1,0688 at 20 °C (relation to density of water at 20°C)
- Vapour pressure : < 1 kPa at 50 °C (calculated)
- Boiling point : no data available
- Melting point/freezing point : no data available
- Partition coefficient:  
n-octanol/water : no data available
- pH : no data available
- Viscosity, dynamic : no data available
- Viscosity, kinematic : no data available
- Evaporation rate : no data available
- Flammability (solid, gas) : no data available
- Ignition temperature : no data available
- Minimum ignition energy : no data available
- Autoignition temperature : no data available
- Oxidizing properties : no data available
- Lower explosion limit : no data available

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Upper explosion limit	:	no data available
Conductivity	:	no data available
Bulk density	:	no data available
Solubility/qualitative	:	no data available
Solubility in other solvents	:	no data available
Impact Sensitivity	:	no data available
Burning number	:	no data available
Relative vapour density	:	no data available

### 9.2 Other data

None.

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	:	no data available
<b>10.2 Chemical stability</b>	:	no data available
<b>10.3 Possibility of hazardous reactions</b>	:	No dangerous reaction known under conditions of normal use.
<b>10.4 Conditions to avoid</b>	:	no data available
<b>10.5 Incompatible materials to avoid</b>	:	no data available
<b>10.6 Hazardous decomposition products</b>	:	no data available

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute oral toxicity	:	Acute toxicity estimate : 2.121,18 mg/kg, Calculation method
Acute inhalation toxicity	:	no data available
Acute dermal toxicity	:	no data available
Repeated dose toxicity	:	no data available
Acute toxicity (other routes of administration)	:	no data available
Skin irritation	:	no data available
Eye irritation	:	no data available
Sensitisation	:	no data available
Mutagenicity	:	no data available
Carcinogenicity	:	no data available



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Reproductive toxicity : no data available  
Teratogenicity : no data available  
Specific target organ toxicity : no data available  
- single exposure  
Specific target organ toxicity : no data available  
- repeated exposure  
Aspiration toxicity : no data available

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

no data available

#### 12.2 Persistence and degradability

no data available

#### 12.3 Bioaccumulative potential

no data available

#### 12.4 Mobility in soil

no data available

#### 12.5 Results of PBT and vPvB assessment

no data available

#### 12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number

ADR : 3082  
RID : 3082  
IMDG : 3082  
IATA-DGR : 3082

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### 14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE)  
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE)  
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. MP (BENZYL BENZOATE, HEXAHYDROHEXAMETHYL CYCLOPENTABENZOPYRAN)  
IATA-DGR : Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE)

### 14.3 Transport hazard class

ADR : 9  
RID : 9  
IMDG : 9  
IATA-DGR : 9

### 14.4 Packing group

ADR:  
Packaging group : III  
Classification Code : M6  
Hazard identification No : 90  
Labels : 9  
Tunnel restriction code : (E)

RID:  
Packaging group : III  
Classification Code : M6  
Hazard identification No : 90  
Labels : 9

IMDG:  
Packaging group : III  
Labels : 9  
EmS - EmS : F-A, S-F

IATA-DGR:  
Packing instruction (cargo aircraft) : 964  
Qty/Pkg (Cargo) : 450,00 L  
Packing instruction (passenger aircraft) : 964  
Qty/Pkg (Passanger) : 450,00 L  
Packaging group : III  
Labels : 9MI

### 14.5 Environmental hazards

ADR:  
Environmentally hazardous : yes

RID:  
Environmentally hazardous : yes

IMDG:  
Marine pollutant : yes

IATA-DGR:  
Environmentally hazardous : yes

### 14.6 Special precautions for user

no data available

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### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National legislation

Risk classification according to BetrSichV (Germany) : Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Water contaminating class (Germany) : WGK 2 (water endangering)  
Calculation acc. Annex 4 to VwVwS

TA Luft List (Germany) : Type: Organic Substances  
portion Class 1: 0,25 %

### 15.2 Chemical Safety Assessment

no data available

## 16. OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3:

R10	Flammable.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

### Full text of H-Statements referred to under sections 2 and 3:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling,

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*The data contained in this Safety Data Sheet is accurate to the best knowledge of Candle Supply Pty Ltd, applies to the product as supplied Candle Supply Pty Ltd, and does not relate to use in combination with any other material or in any process. Data and information is furnished without warranty expressed or implied, nor does Candle Supply Pty Ltd, assume responsibility for use or reliance upon this data.*

*This SDS is current to the date listed above. However, the GHS classifications may change due to hazard communication updates by the overseeing governing body. For the most current SDS information please contact [customerservice@candlesupply.com.au](mailto:customerservice@candlesupply.com.au)*